

FIG. 1

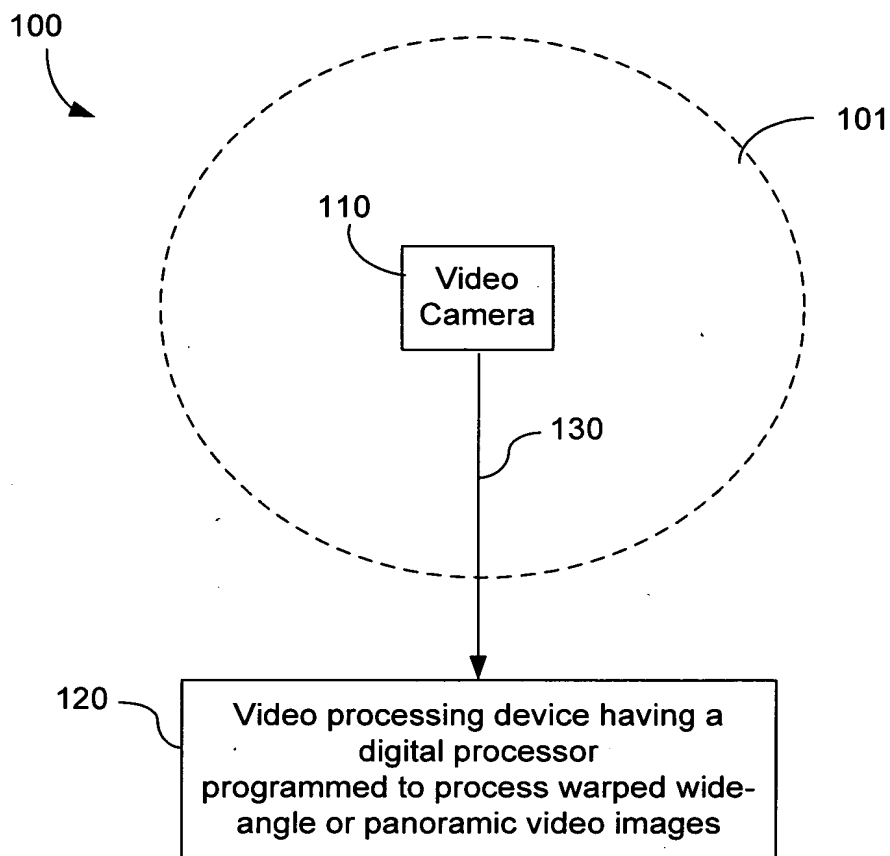


FIG. 2

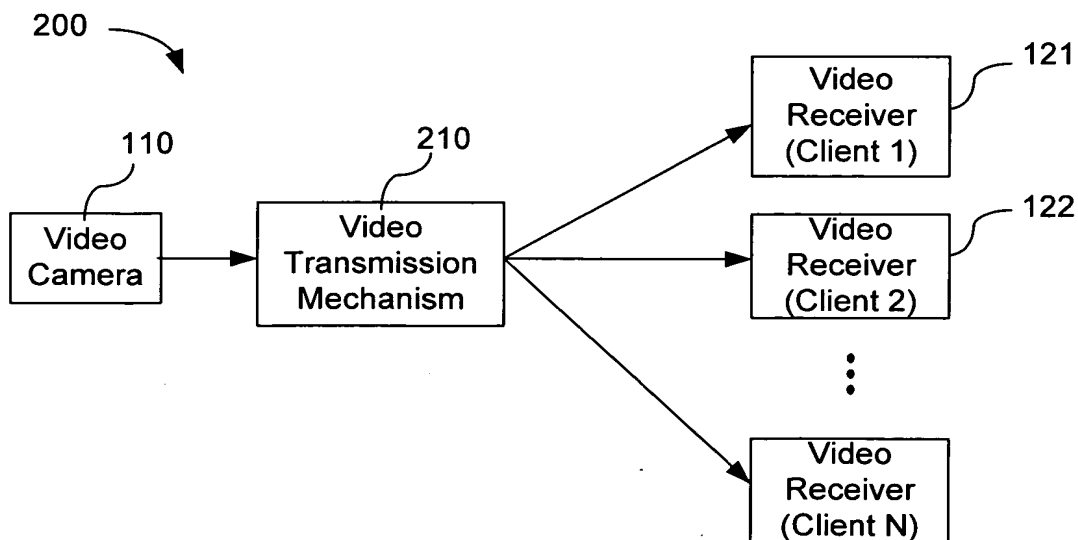


FIG. 3

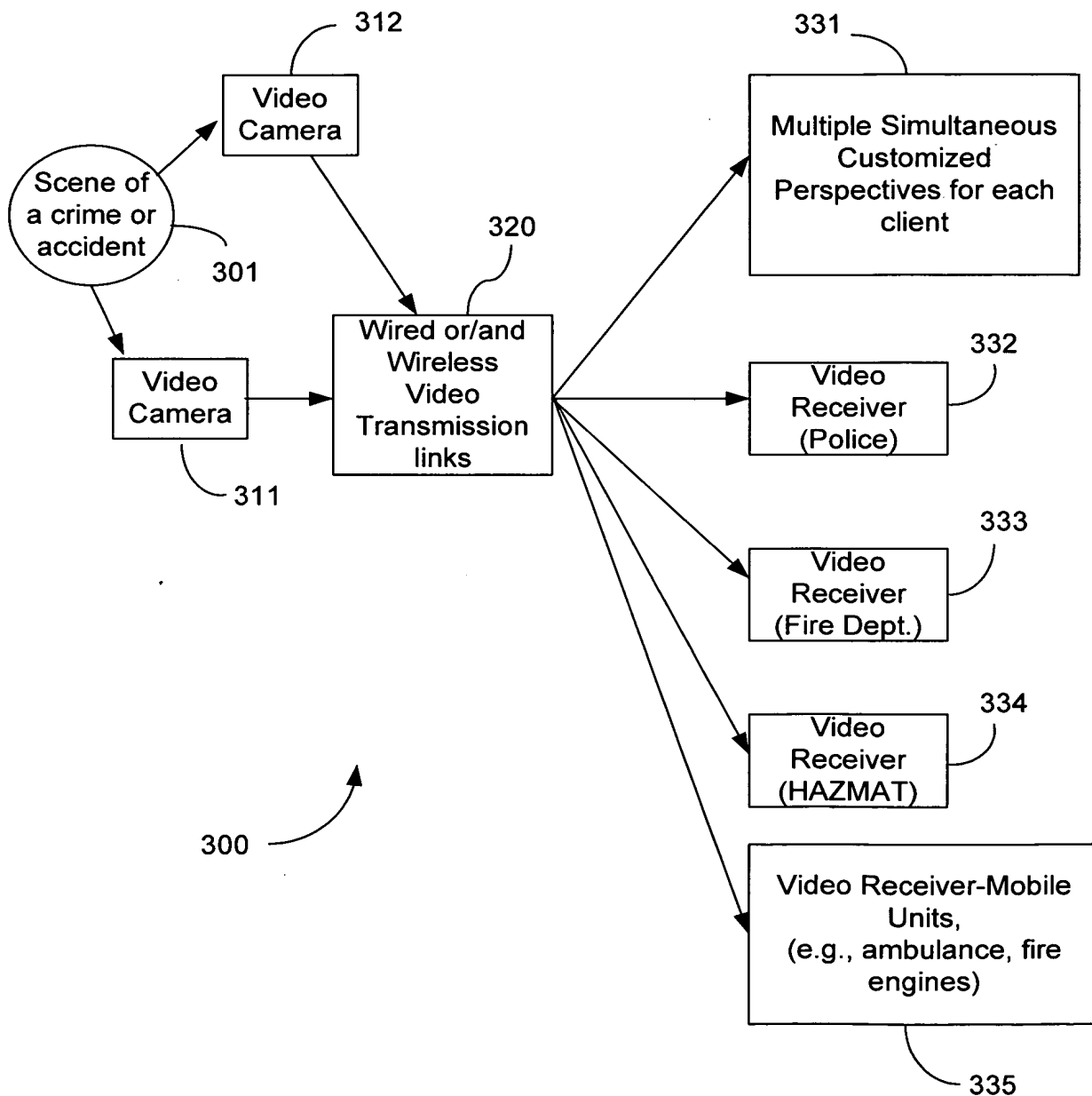


FIG. 4

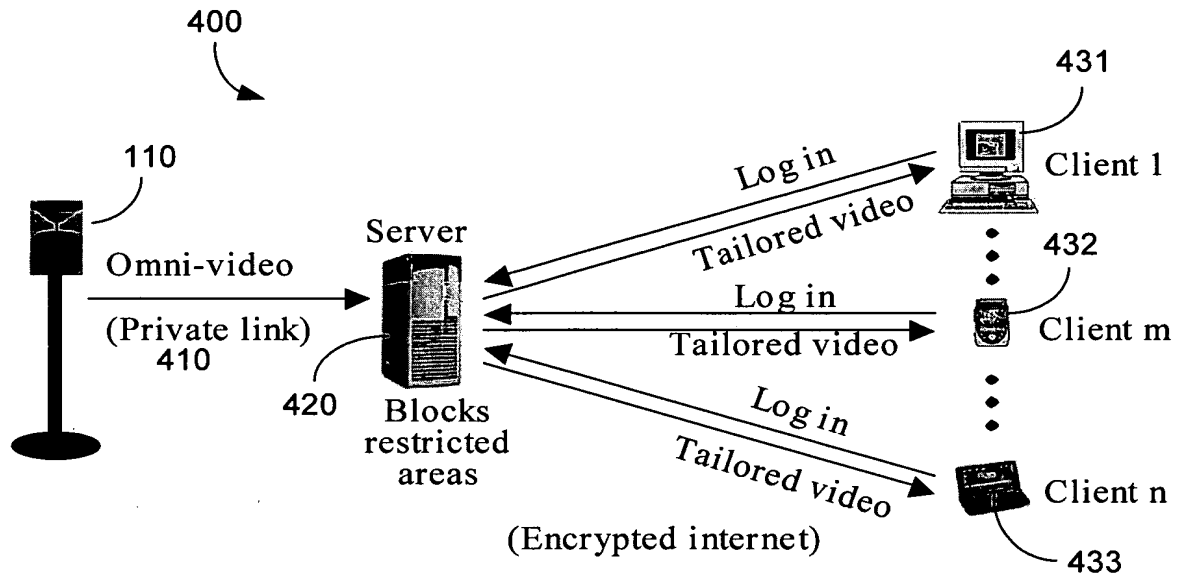


FIG. 5

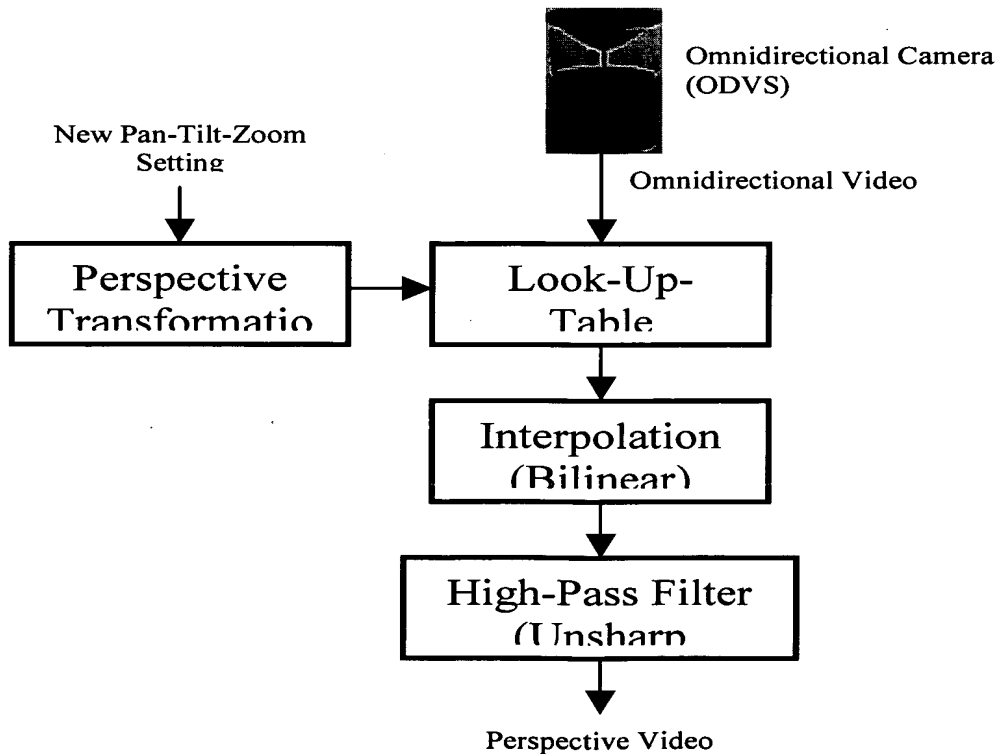


FIG. 6

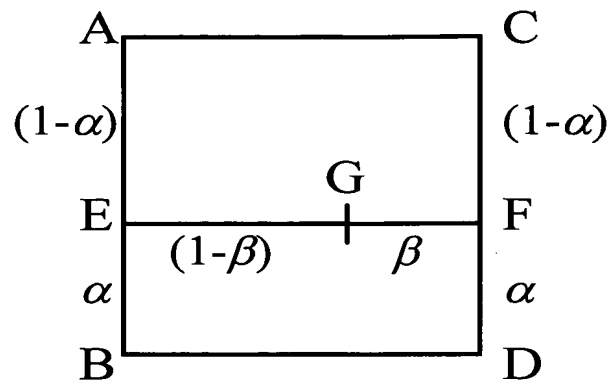


FIG. 7

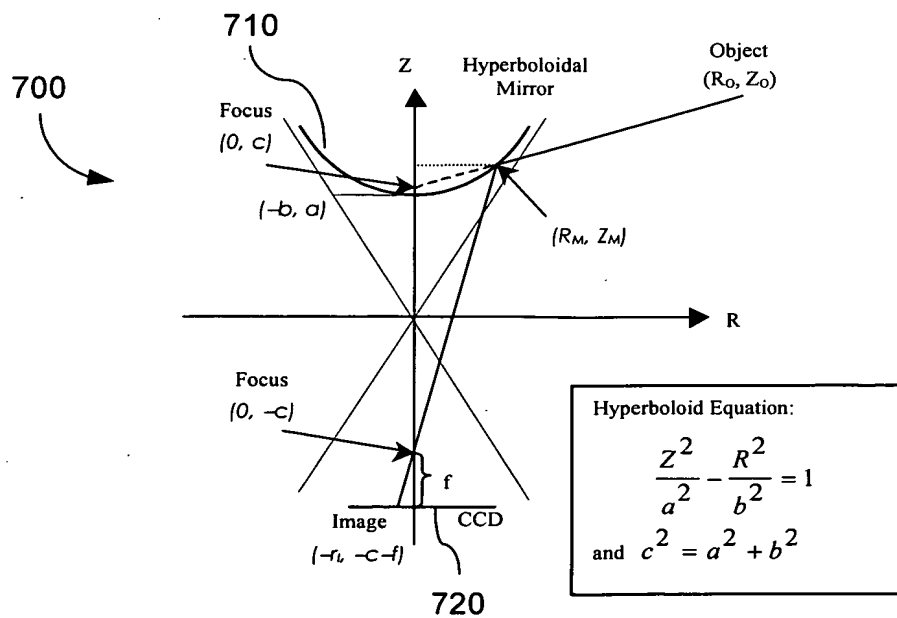


FIG. 8

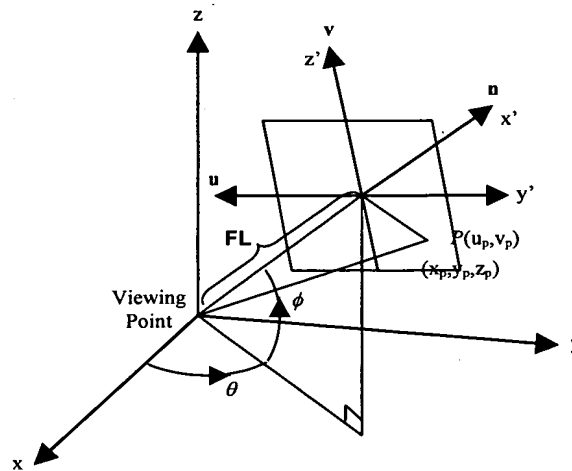


FIG. 9A



FIG. 9B

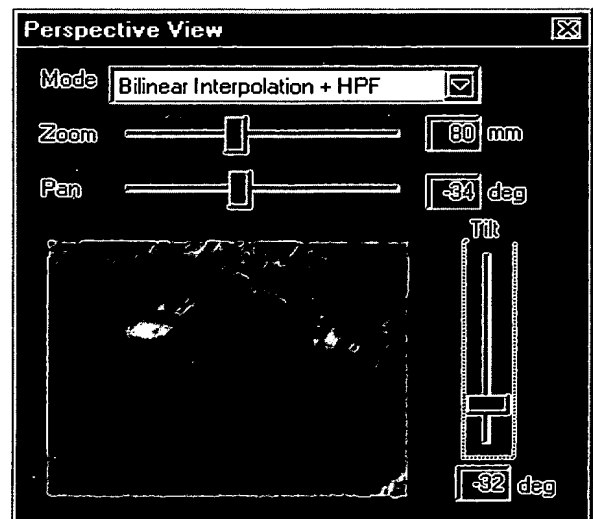


FIG. 9C



FIG. 9D

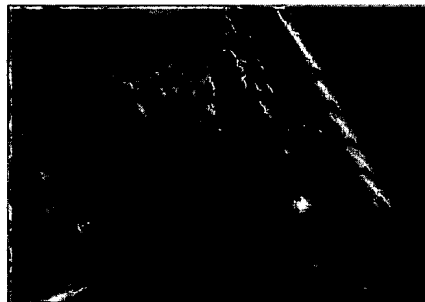
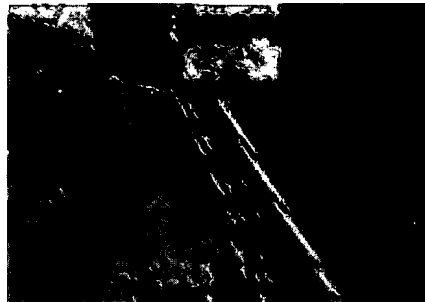


FIG. 9E

FIG. 9F

FIG. 10



FIG. 11

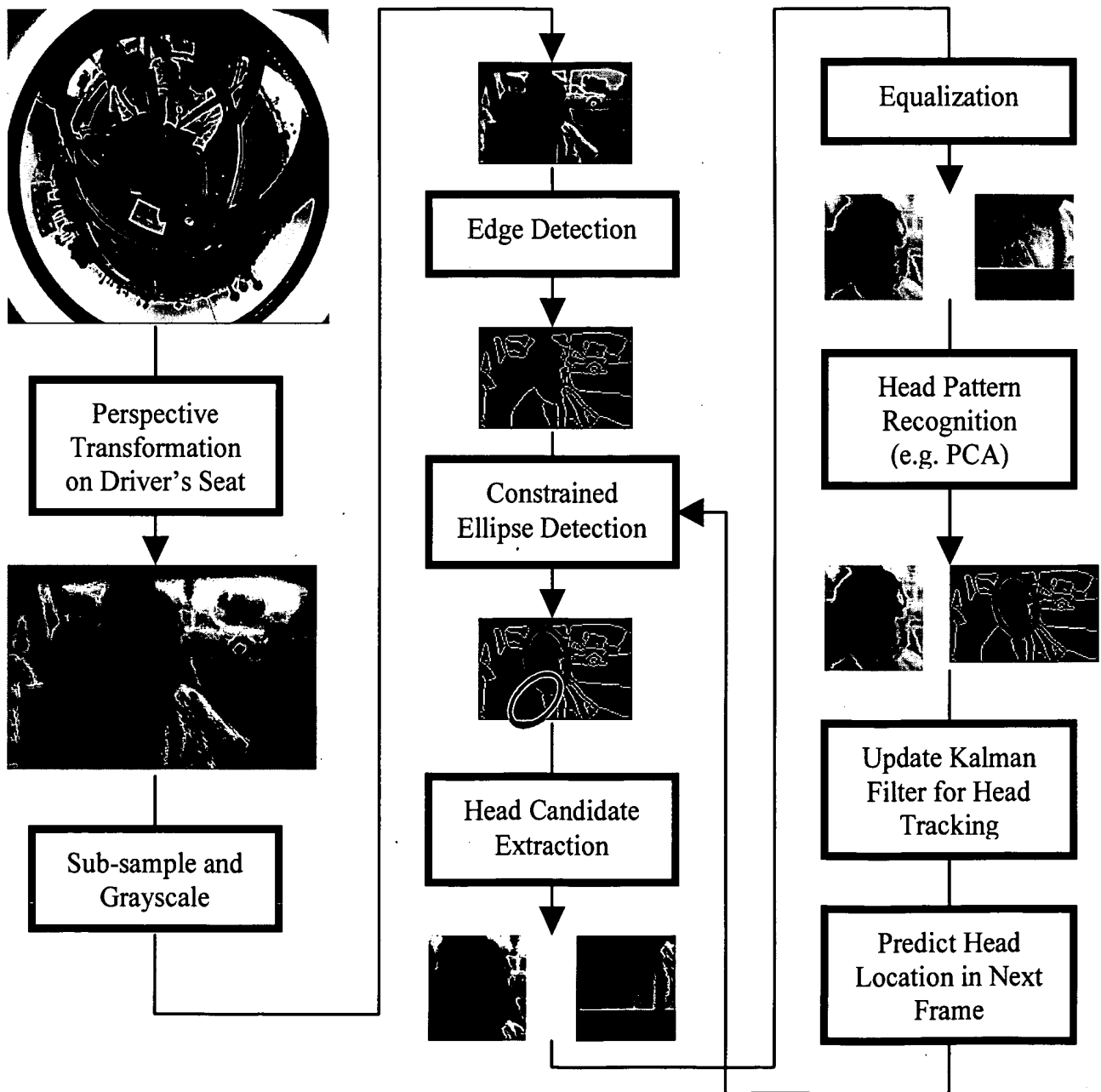


FIG. 12A

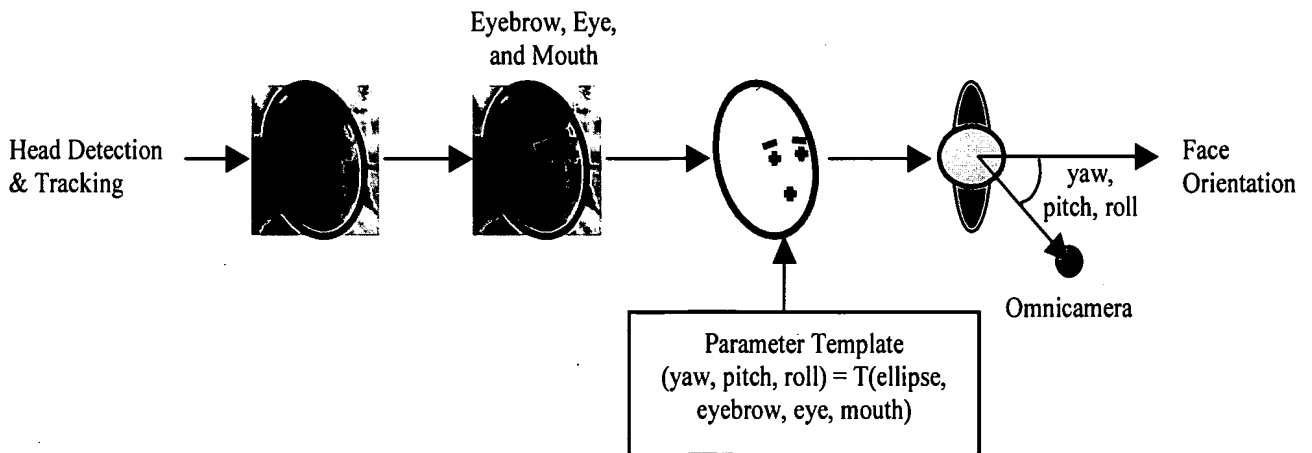


FIG. 12B

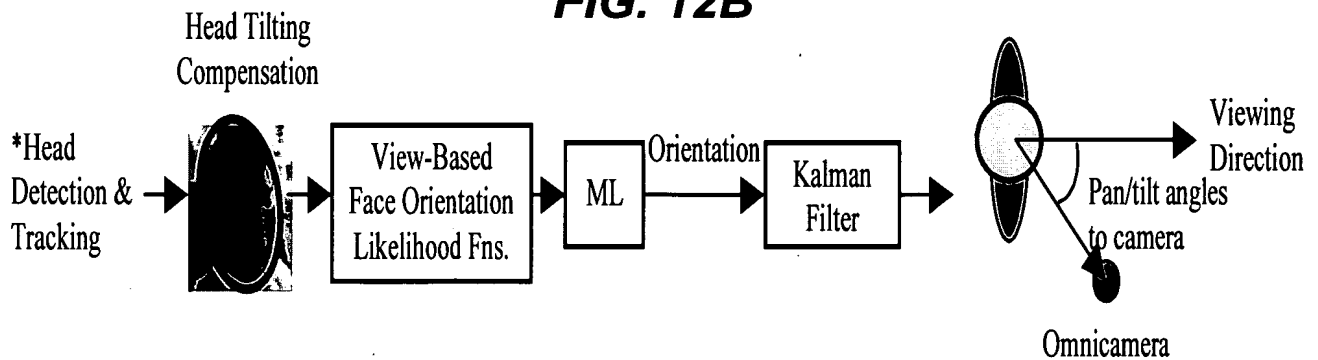


FIG. 13

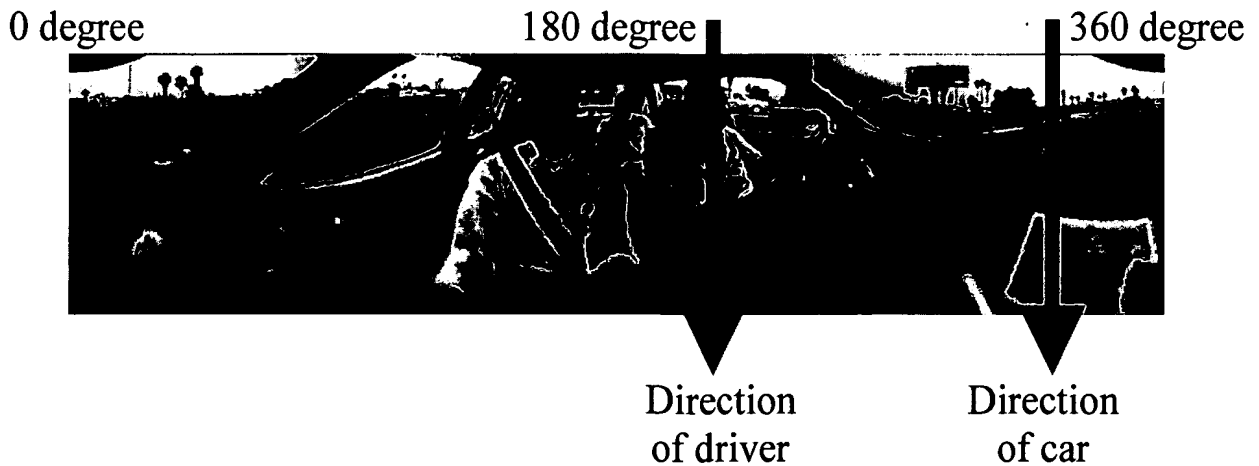


FIG. 14

Source omni-video



Face/gaze direction estimation



Relative
angle to
camera



Driver's view: 20° right



FIG. 15



Head
Detection &
Tracking



Face
Orientation
Estimation



Driver's
View
Generation



Head
Detection &
Tracking



Face
Orientation
Estimation



Driver's
View
Generation



Head
Detection &
Tracking



Face
Orientation
Estimation



Driver's
View
Generation



FIG. 16

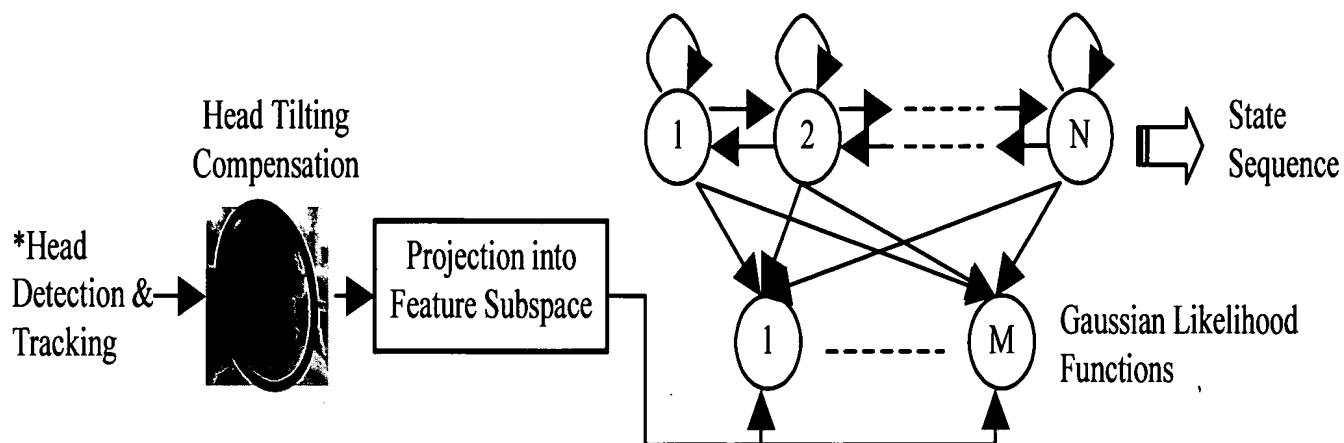


FIG. 17

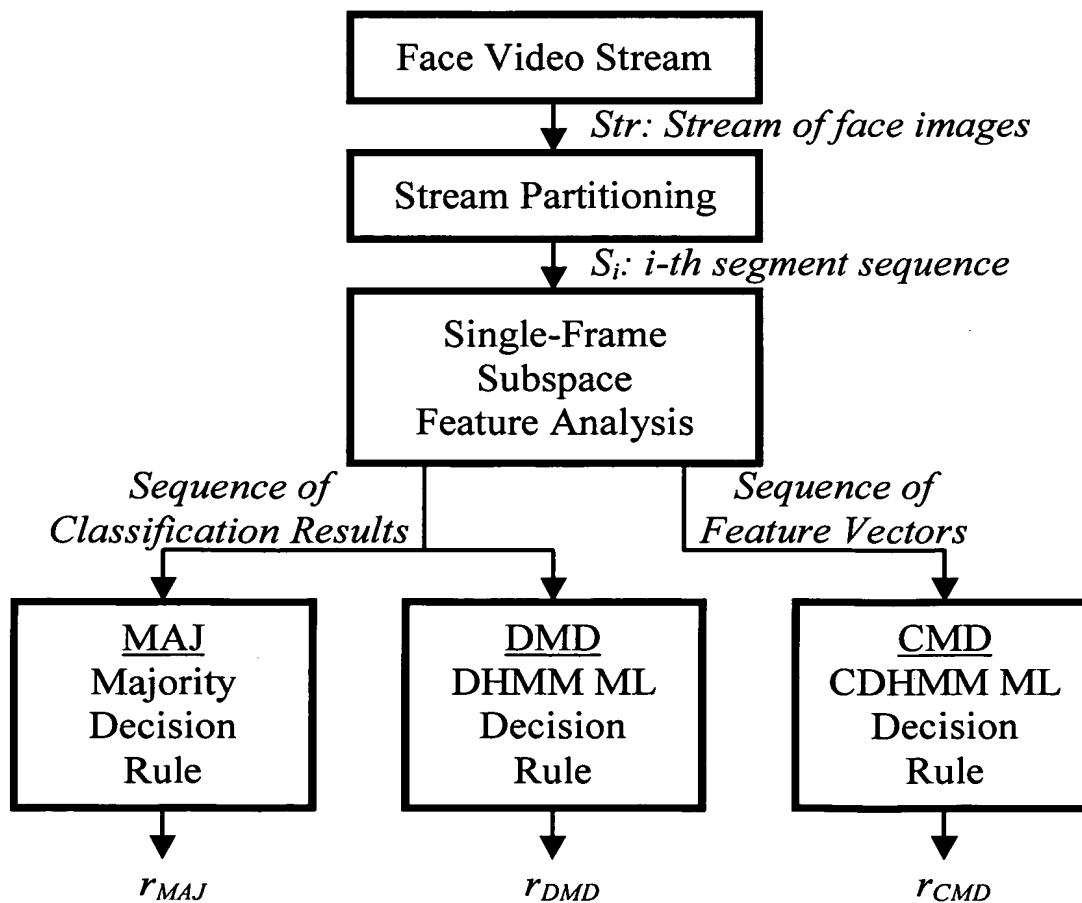


FIG. 18

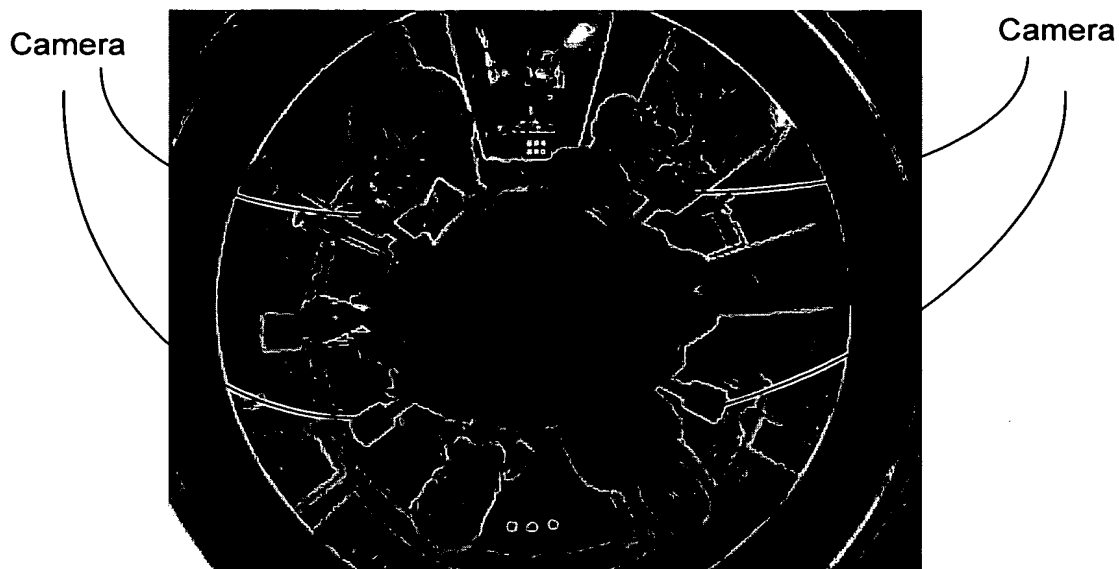


FIG. 19A

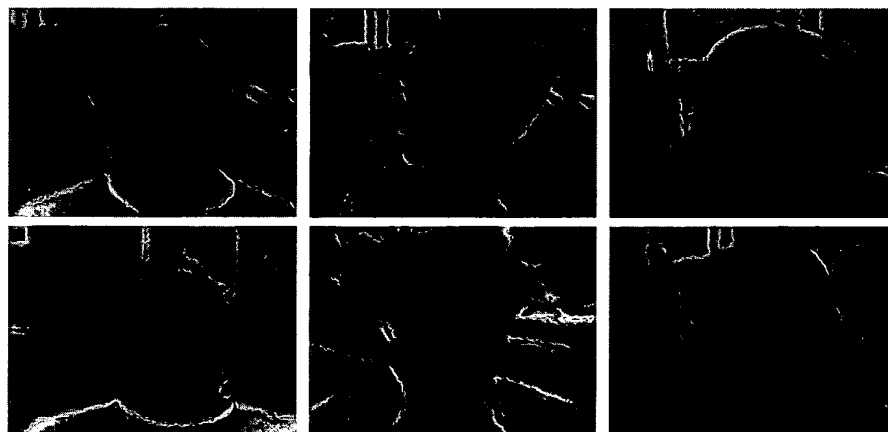


FIG. 19B

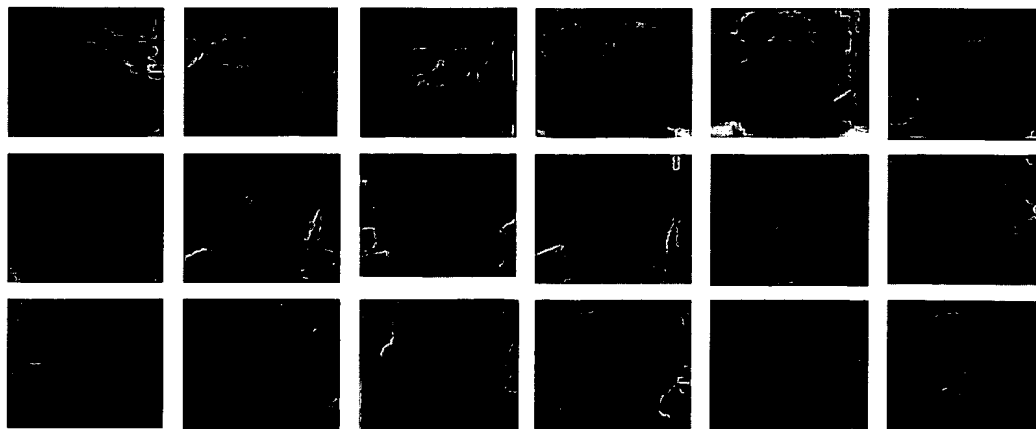


FIG. 20

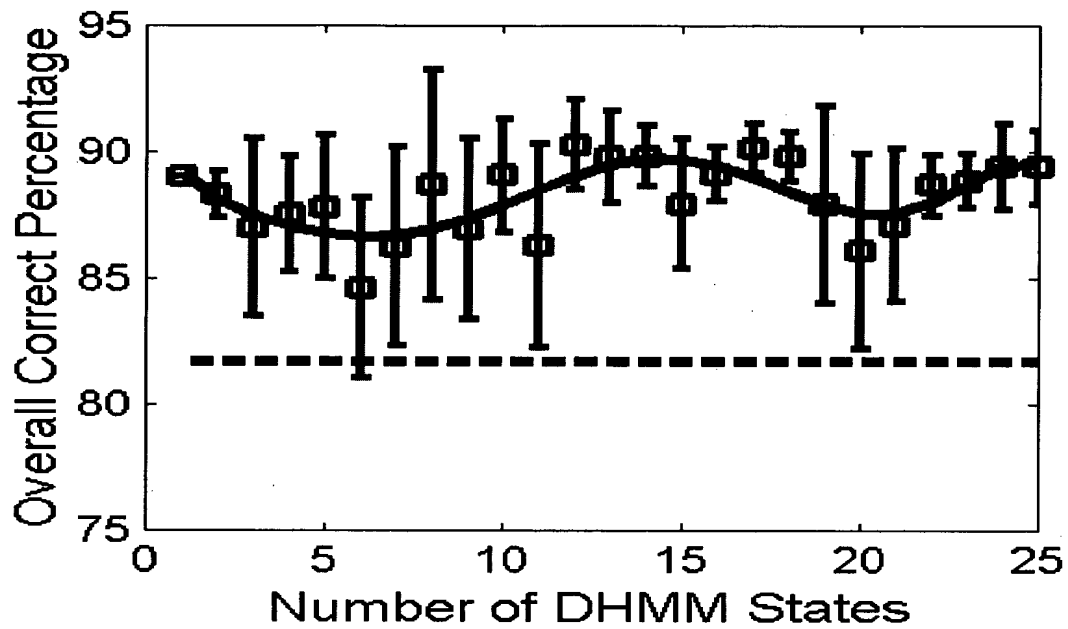


FIG. 21

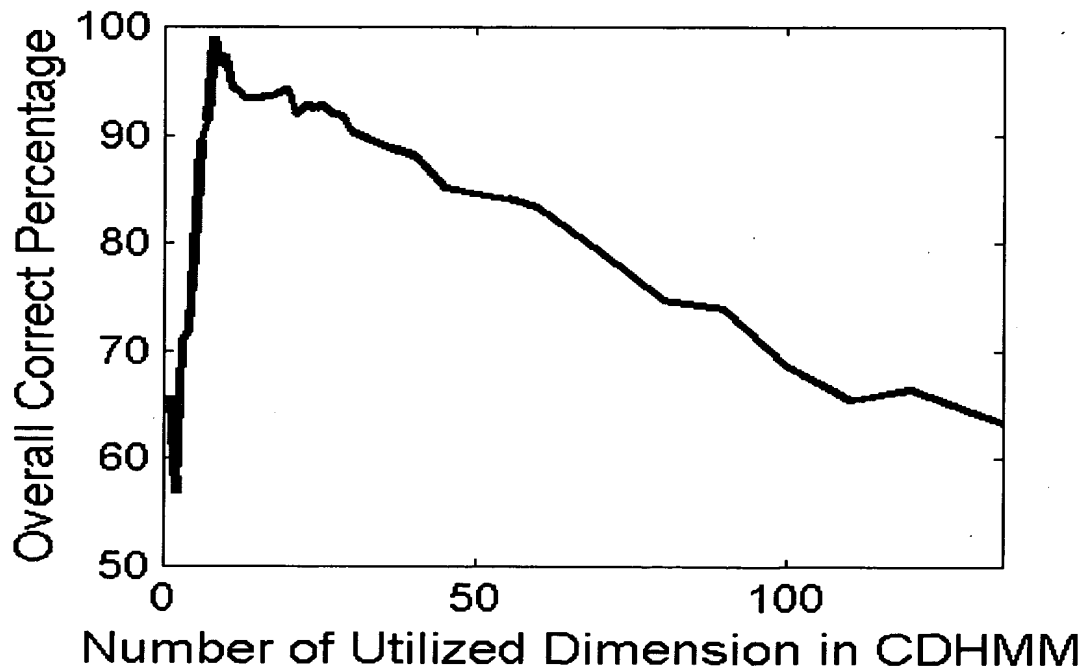


FIG. 22A

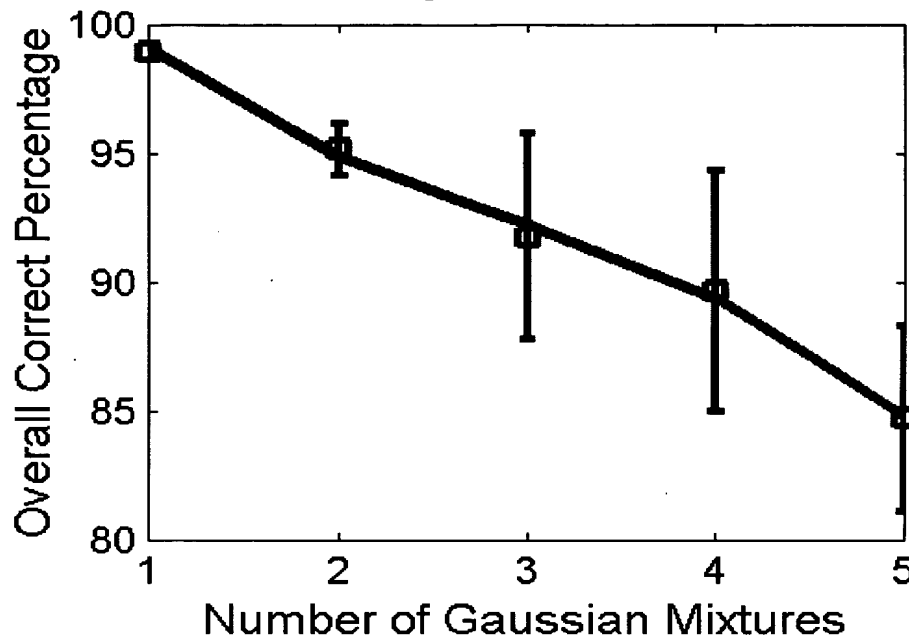


FIG. 22B

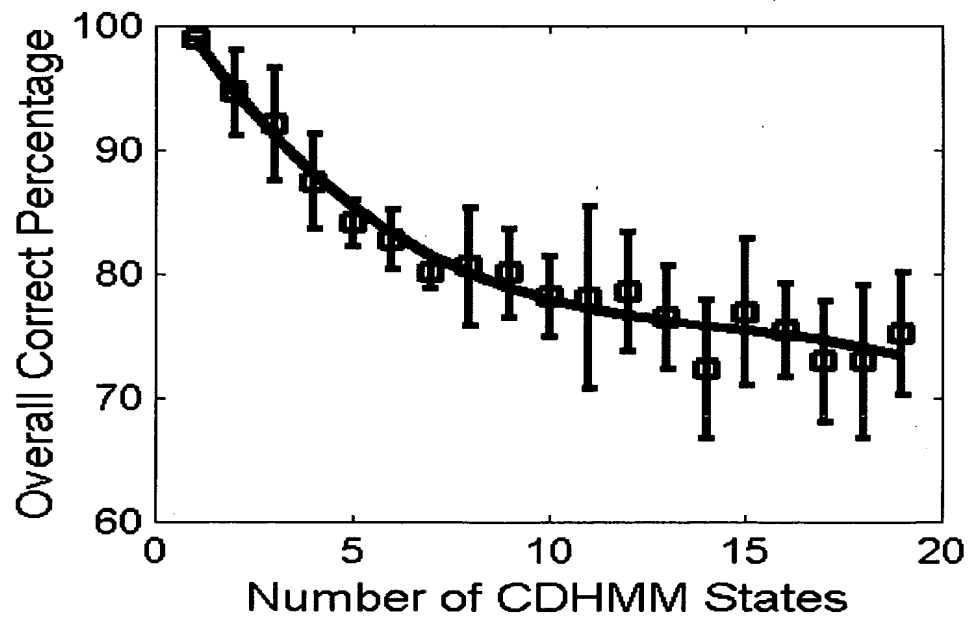


FIG. 23

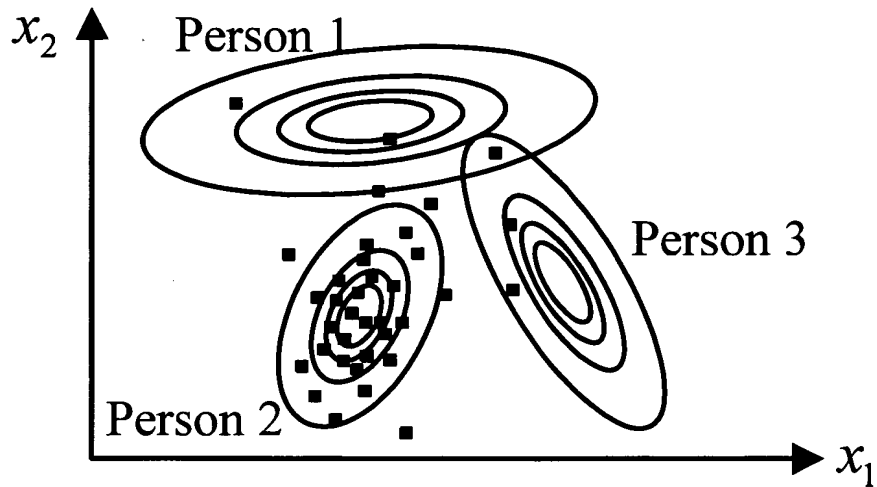


FIG. 24

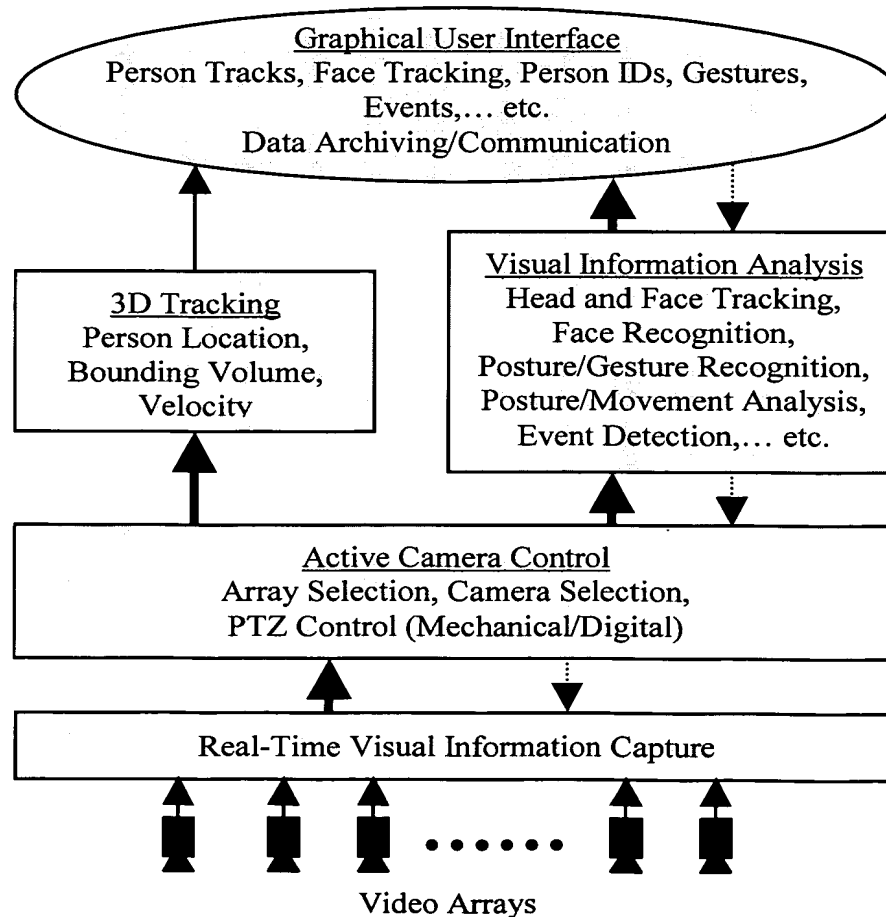


FIG. 25

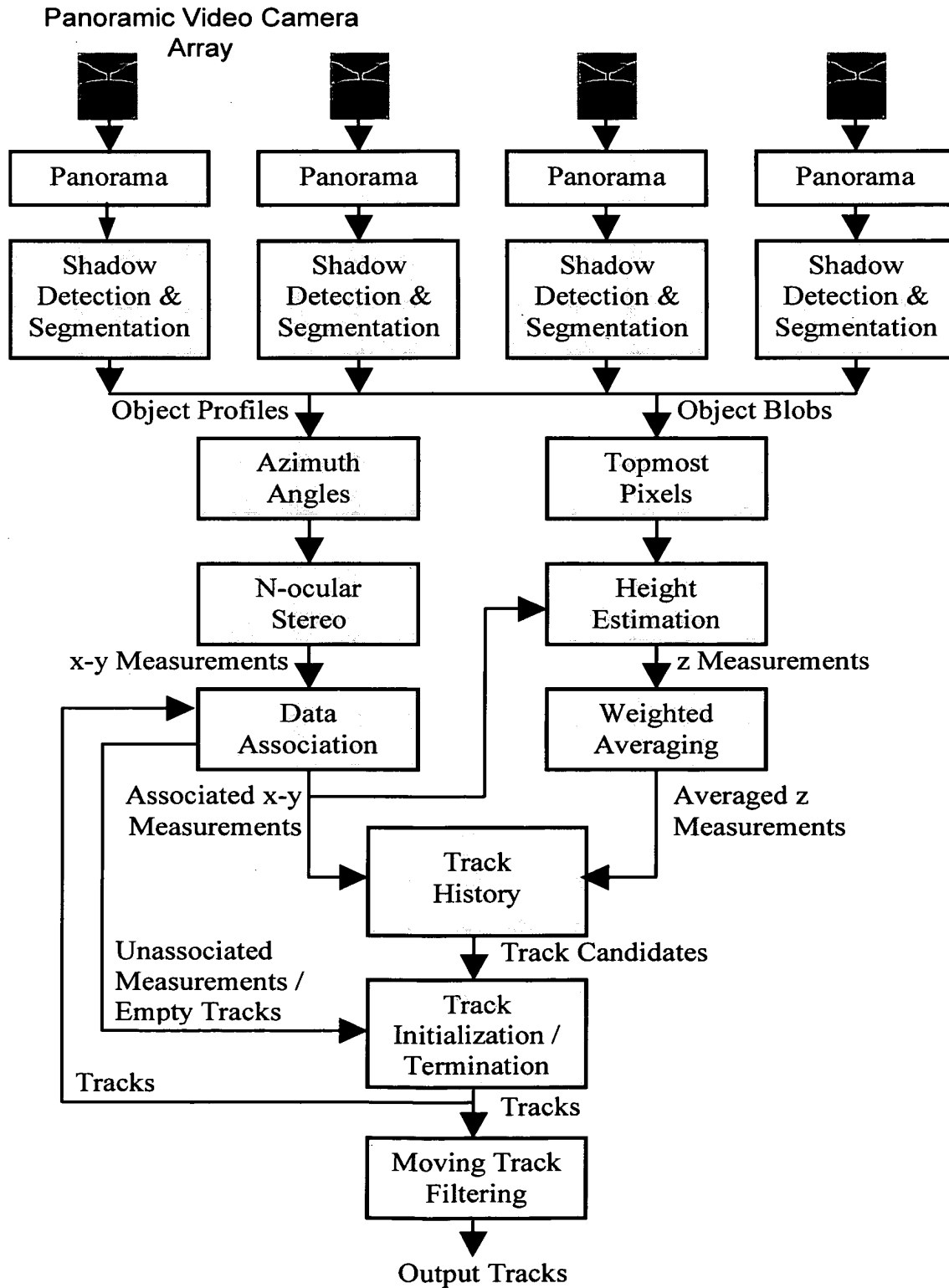


FIG. 26

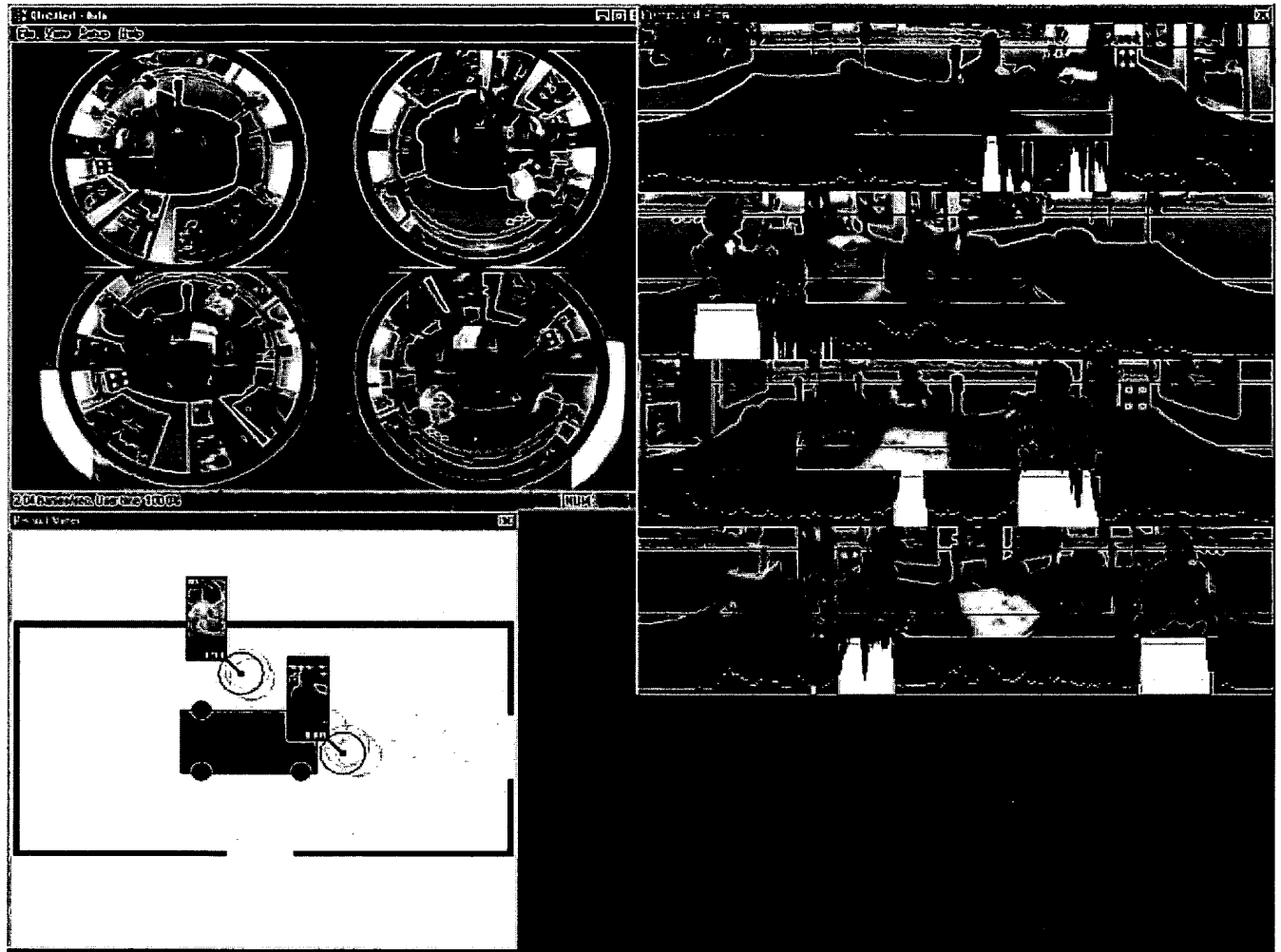


FIG. 27

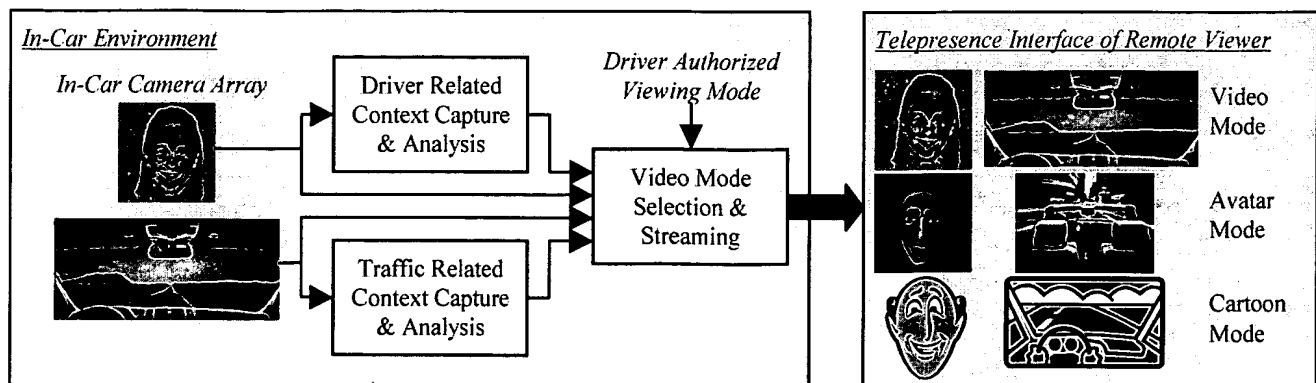


FIG. 28

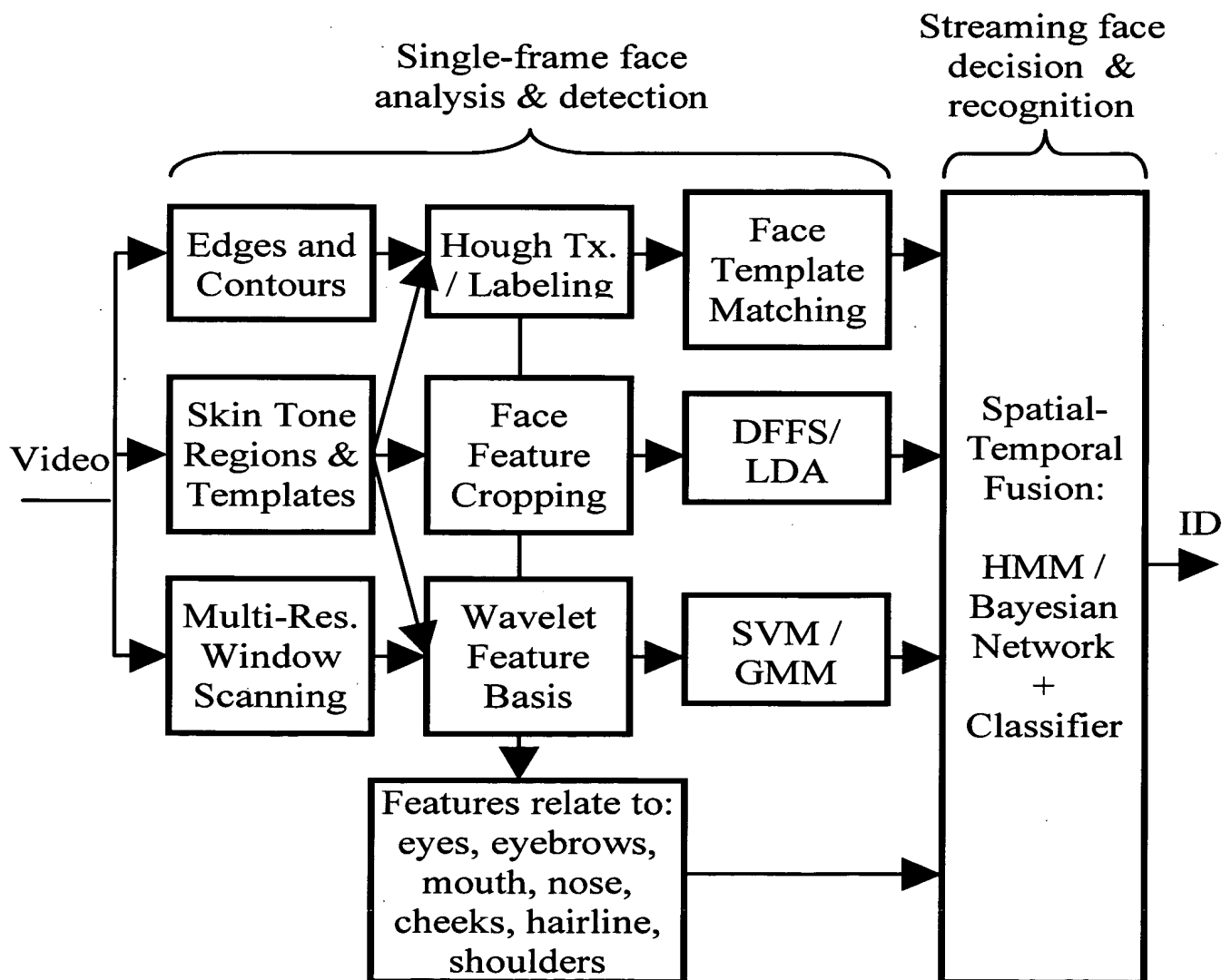


FIG. 29

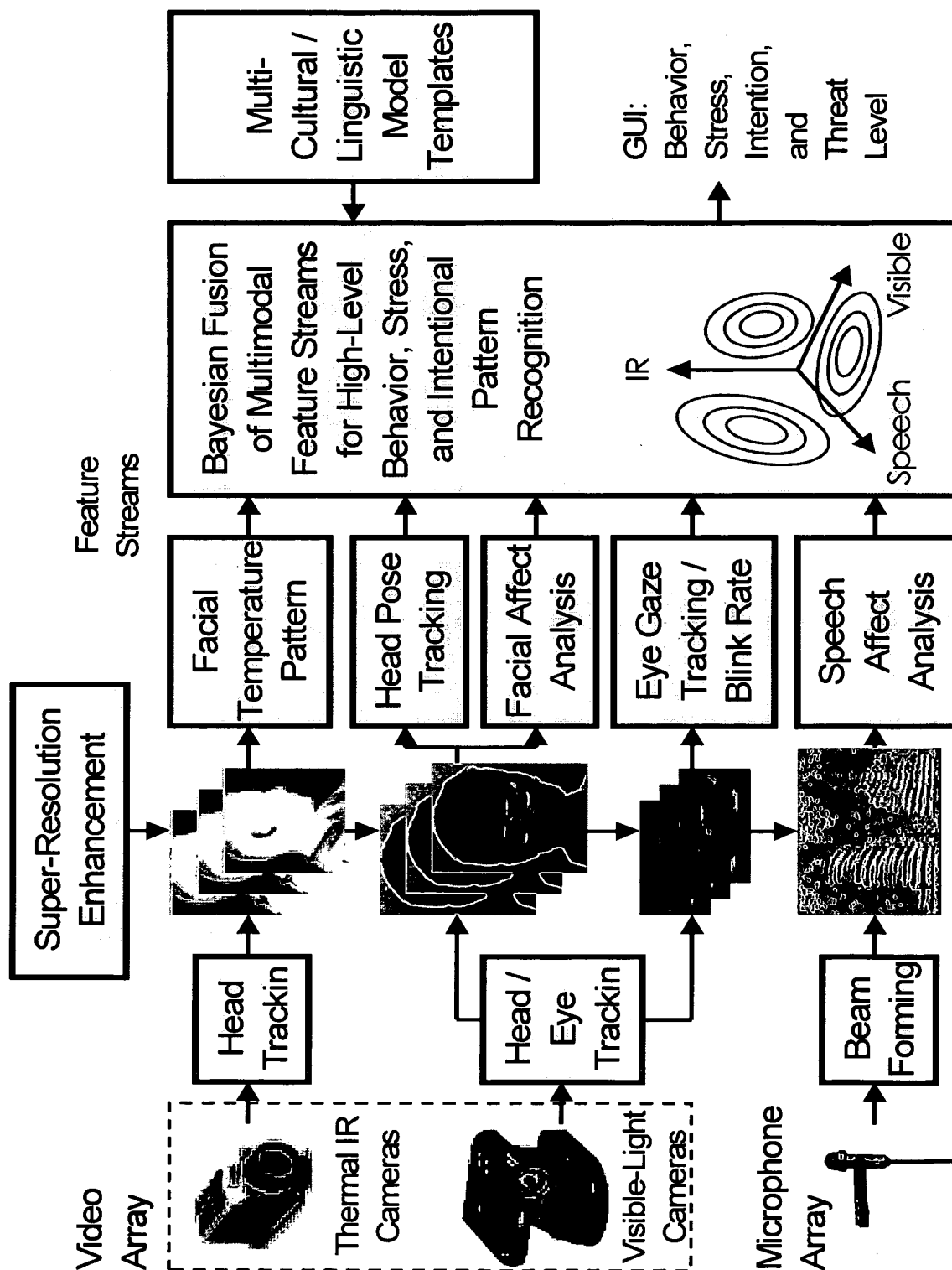


FIG. 30

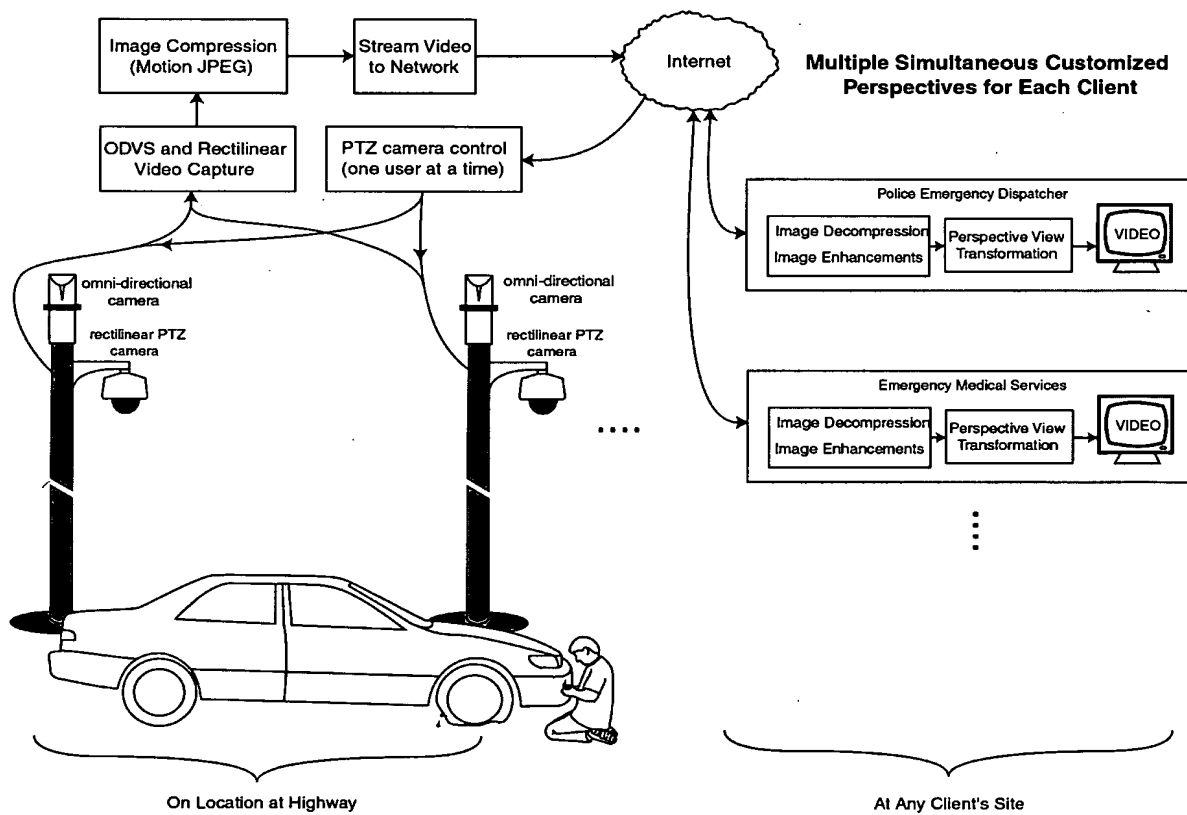


FIG. 31

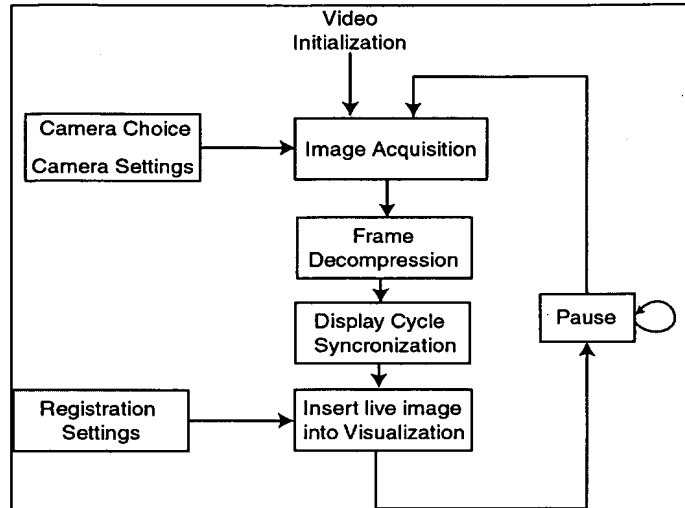


FIG. 32A

FIG. 32B

FIG. 32C

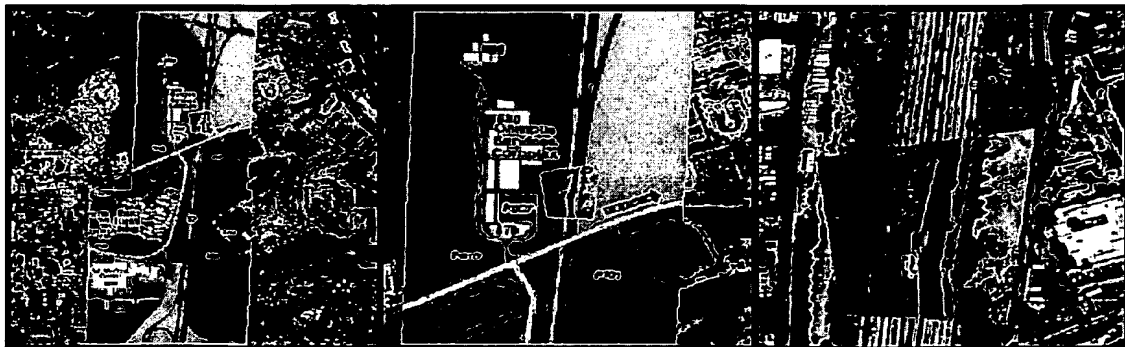


FIG. 33

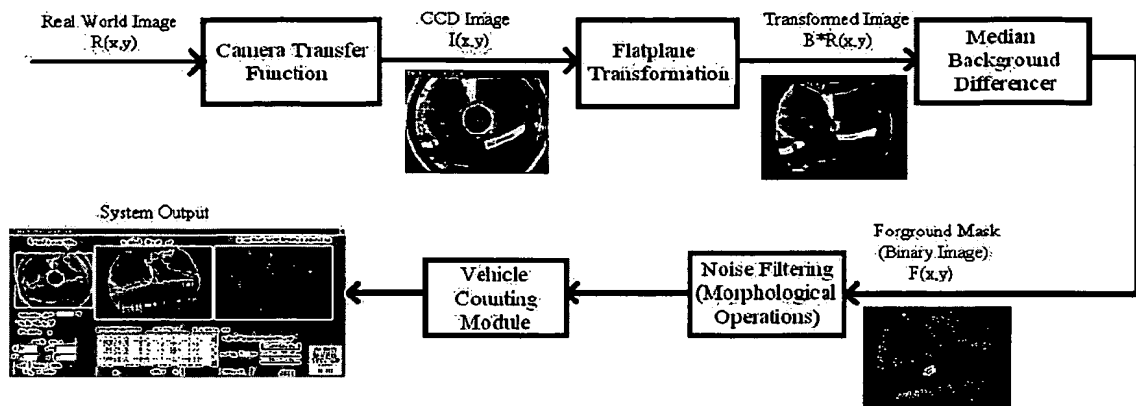
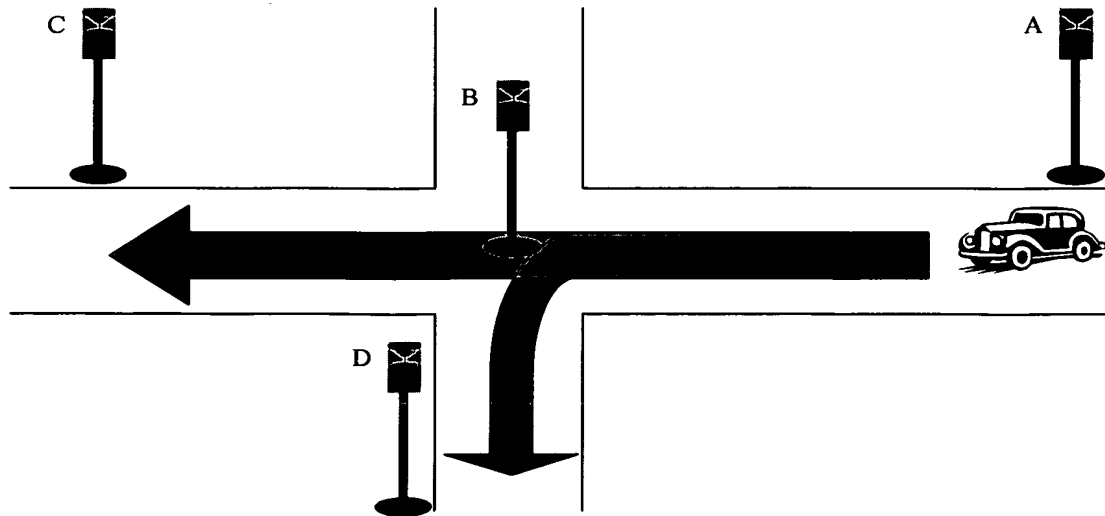


FIG. 34



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